

REPLACE
by ART 19

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CLAIMS

1. A radio receiving apparatus comprising:

a first antenna and a second antenna that receive a radio signal;

5 a despreader that despreads said radio signal to obtain a despreading result;

a generation section that generates a delay profile based on said despreading result;

10 a detector that performs path detection based on said delay profile; and

a switching controller that inputs only the radio signal received by said first antenna to the despreader when the number of simultaneously connected cells has reached the simultaneously connectable number, and inputs
15 both the radio signal received by said first antenna and the radio signal received by said second antenna to said despreader when the number of simultaneously connected cells has not reached the simultaneously connectable number.

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2. The radio receiving apparatus according to claim 1, wherein:

said radio signal includes an HSDPA signal;

said generation section, when the number of
25 simultaneously connected cells has not reached the simultaneously connectable number, generates a first delay profile for simultaneously connected cells for a radio signal received by said first antenna, and then

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generates a second delay profile for an HSDPA signal received by said second antenna; and

said detector performs path detection based on said first delay profile and said second delay profile.

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3. The radio receiving apparatus according to claim 1, further comprising a gain controller that performs automatic gain control using a gain value common to both a radio signal received by said first antenna and a radio
10 signal received by said second antenna.

4. The radio receiving apparatus according to claim 3, wherein said gain controller finds said gain value based on the larger reception power of reception power
15 of a radio signal received by said first antenna and reception power of a radio signal received by said second antenna.